



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Water Use Advisory Council

April 13, 2021

1. Welcome

WUAC Chair Order for 4/13/21

- Bryan Burroughs, Executive Director (Items 1-5)
Michigan Trout Unlimited
- Laura Campbell, Manager (Items 6-7)
Agricultural Ecology Department
Michigan Farm Bureau
- Brian Eggers, Principal (Items 8-11)
AKT Peerless Environmental

Water Use Advisory Council (WUAC) Meeting
Tuesday, April 13, 2021
1:00 p.m.- 3:00 p.m.
On Teams Hosted by the Department of Environment, Great Lakes, and Energy (EGLE)

[Click here to join the meeting](#)

[+1 248-509-0316,863508561#](#) United States, Pontiac

Phone Conference ID: 863 508 561#

AGENDA

1. Welcome
2. Roll Call
3. Approval of Agenda-Roll Call Vote
4. Approval of Minutes-Roll Call Vote
5. Public Comment (3 Minute Limit)
6. Next Step After Submission of Legislative Report
 - a. Summary of testimony to the Senate Natural Resources Appropriations Subcommittee
 - b. Letters of Support Received to Date
7. Committee Chairs Reports
 - A. Data Collection Committee
 - B. Implementation Committee
 - C. Models Committee
 - D. New Topics Committee
 - E. Conservation and Efficiency Committee
8. EGLE Update
9. Next Meeting Dates and Formats
10. Open Comments (3 Minute Limit)
11. Motion to Adjourn

2. Roll Call

3. Approval of Agenda –Roll Call Vote

4. Approval of Minutes—Roll Call Vote

5. Public Comment

Co-Chair Laura Campbell

Agenda Items 6-7

6. Next Steps After Submission of Legislative Report

- a. Summary of Testimony to Senate Natural Resources Appropriations Subcommittee
- b. Letters of Support Received to Date

7. Committee Chair Reports

A. Data Collection Committee

Bryan Burroughs

B. Implementation Strategies Committee

Laura Campbell

Doug Needham

Implementation Strategies Committee

Committee Focus

1. Review outstanding items that still need to be addressed but were not included in the 2020 WUAC report
2. Track the status of the items spelled out in the 2020 WUAC report
3. Compile a list of items to be addressed in the 2022 WUAC report.

Implementation Strategies Committee

Action Steps Moving Forward

1. Review the matrix that was developed for the December 2014 WUAC Final report with a focus on the lower tiered items that should be reviewed for future action.
2. Develop a matrix for the 2020 WUAC report and start tracking items that are being addressed along with the status of the items.
3. Start compiling a list of items to be addressed in the 2022 WUAC report.

Next Committee Meeting: June 24, 2021 at 9am

C. Models Committee

Dave Hamilton

Jim Nicholas

D. New Topics Committee

Pat Staskiewicz

Jason Walther

E. Conservation and Efficiency Committee

Emily Finnell
Kelly Turner

Conservation & Efficiency Committee

- Added new members from EGLE
- Started speaker series at meetings to increase committee knowledge
 - March- Water infrastructure funding program through the MI Clean Water Plan and related programs
 - April- Funding programs and research projects for EGLE's climate, sustainability and energy programs
 - May- What utility companies are doing to conserve in power generation
- Created a Water Conservation Measures Review Process Subgroup
 - First meeting on April 6th
 - Review 2009 WCM and develop a process for sectors to update their WCM if needed
- UofM Dow Fellow Project currently developing a scope of work
- Great Lakes and Fresh Water Week, June 5-13, 2021

Co-Chair Brian Eggers

Agenda Items 8-11



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8. Program Update

Water Use Advisory Council

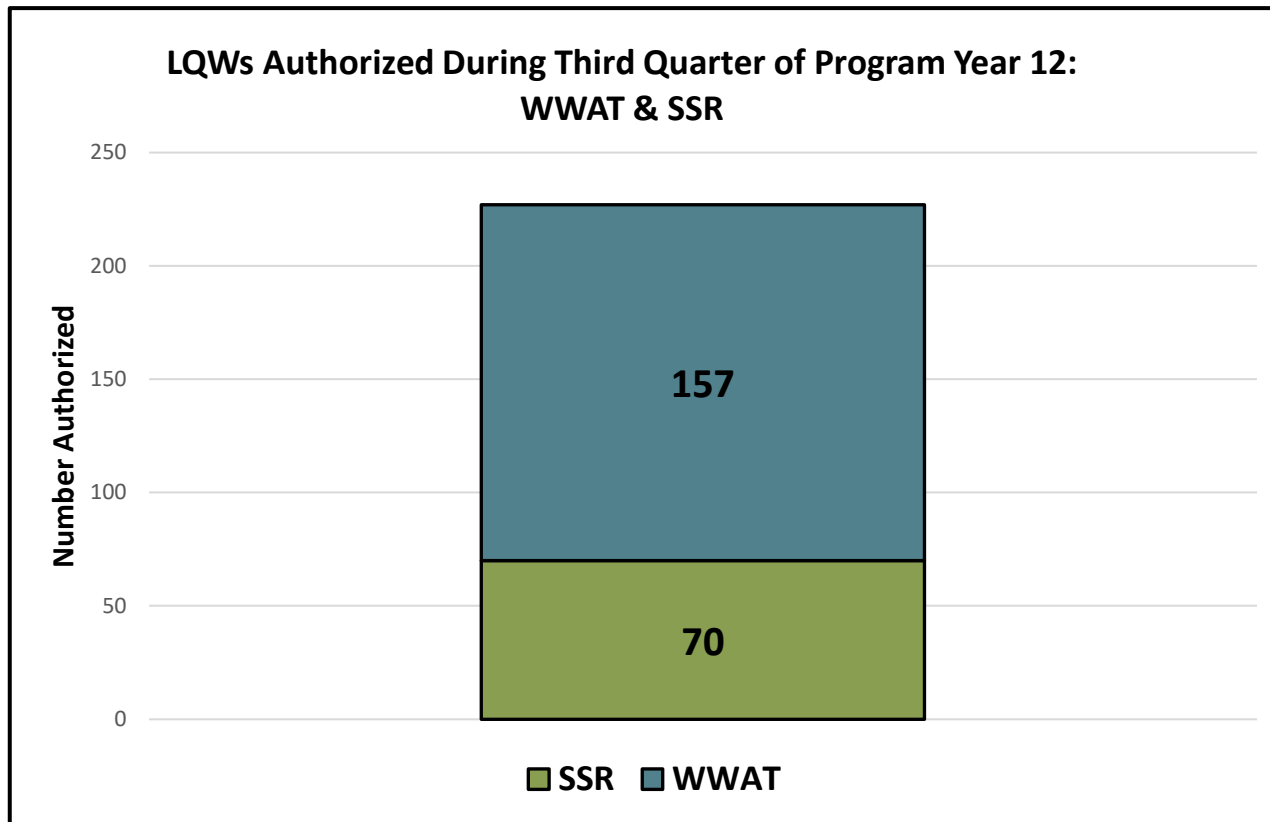
April 13, 2021

Outline

- Sea Grant RFP
- Developing Communications Plan
- Personnel Updates
- Water Use Program Metrics
- Cumulative Statistics Program Years 1-12
- Depleted WMA Status Update
- Compliance Metrics
- Pre-Screening Reviews
- Part 327 Permits
- Additional Data Collection

Personnel Updates

- 2 Geologist 9-11 (SSR)
- 1 Geologist 12 (modeler)
- Interviews scheduled this month



January 1, 2021 – March 31, 2021

Third Quarter of Program Year 12 Timeliness

Average Number of Business Days
from Receipt of SSR Request:

7.3 Days

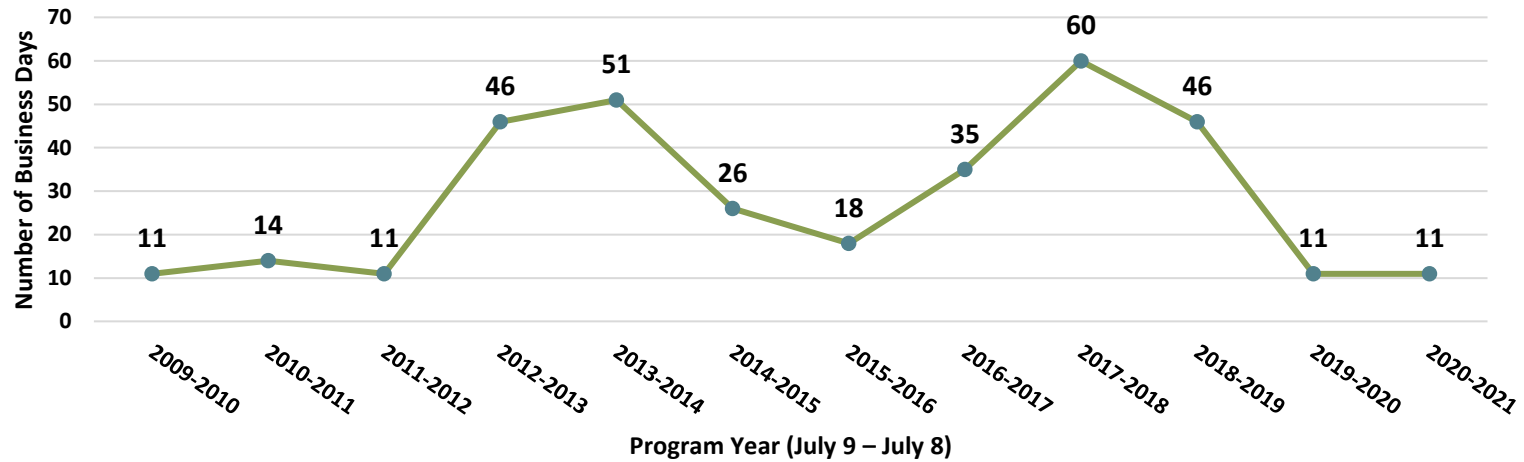
Percentage of SSRs completed
within 10 Business Days:

84%

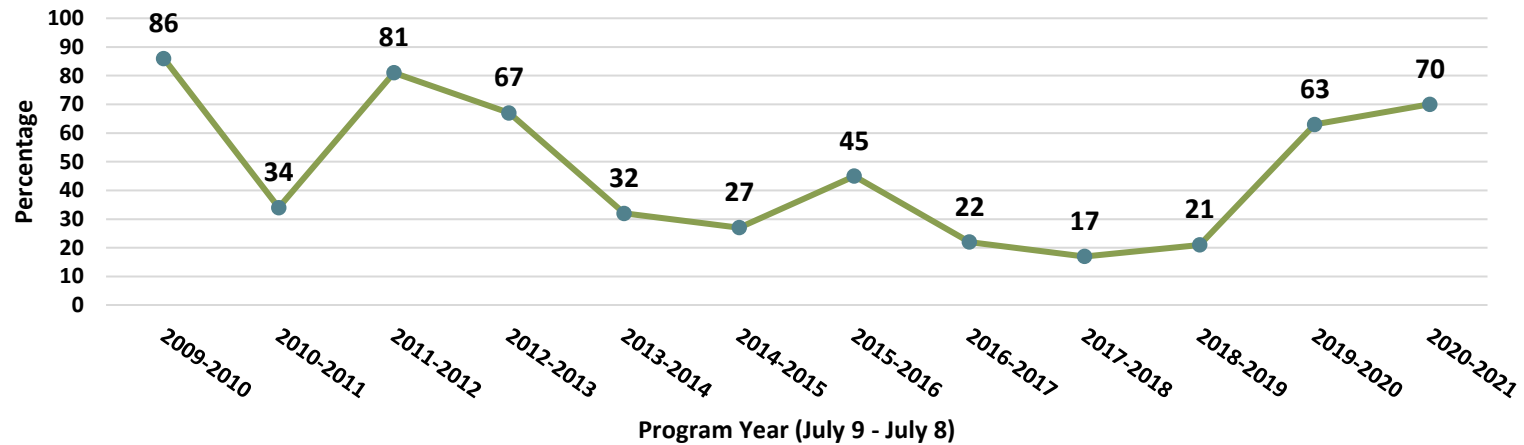
Statutory Deadline: 10 Business Days

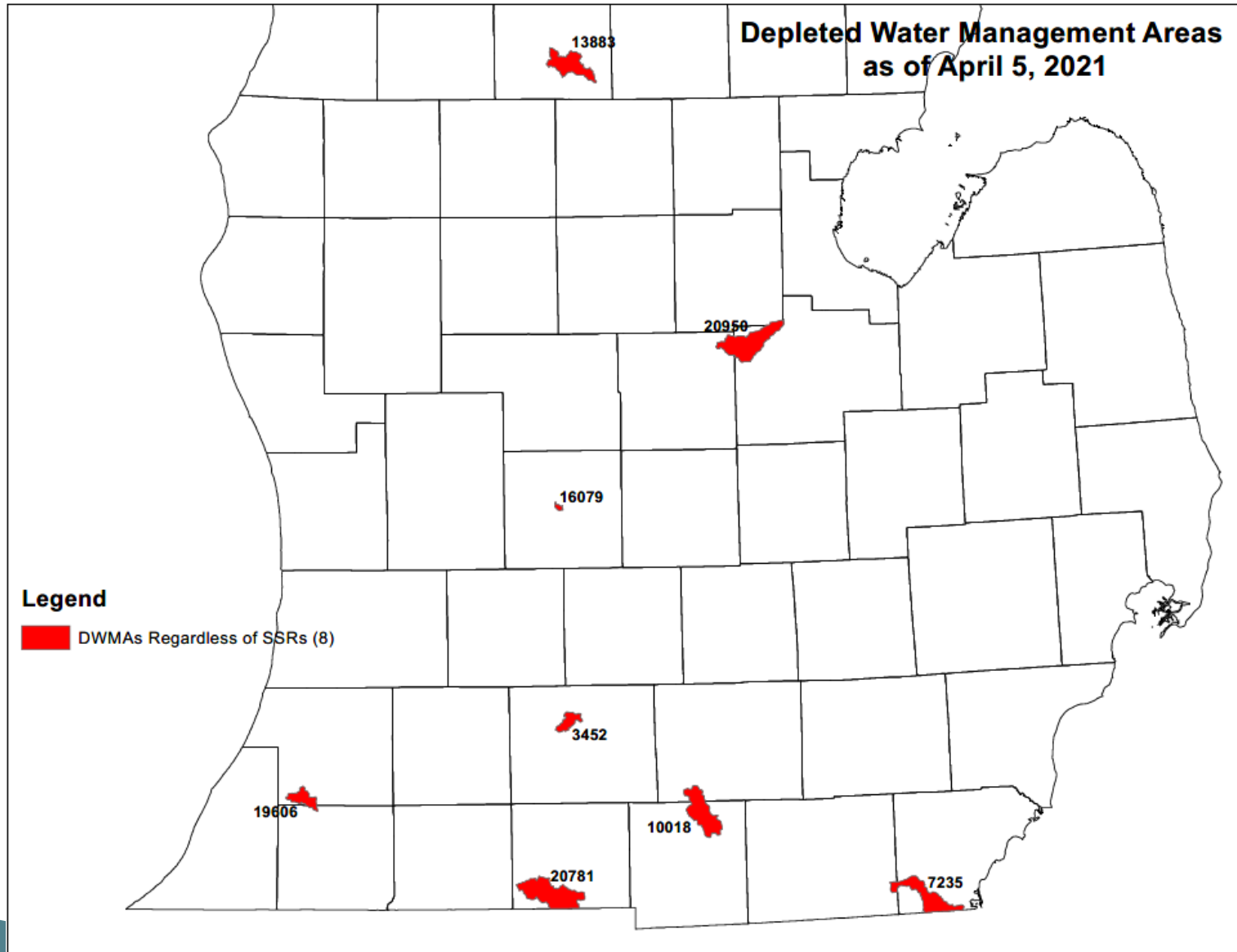
January 1, 2021 – March 31, 2021

Average Number of Business Days from Receipt of SSR Request



Percentage of SSRs Completed within 10 Business Days





Depleted Watersheds as of 4/5/2021

Name	Number	County	Type	Index Flow (gpm)	Current Depletions	Depletions without SSRs	Comments/Next Steps
South Branch Kalamazoo River	10018	Hillsdale/Jackson	Cool Stream	1930	482	-357	The tool previously gave bedrock auto pass to wells that are not confined; we will be collecting ongoing miscellaneous stream flow measurements in the WMA. An SSR has recently been submitted for this WMA.
Halfway Creek	7235	Monroe/Lenawee	Warm Stream	583	140	-29	Revised Index flow came back significantly less than the WWAT's original estimate. Additionally, two SSRs have been requested in this WMA.
Whitmore Drain	20950	Saginaw/Gratiot/Midland	Warm Stream	135	32	-33	Revised Index flow came back significantly less than the WWAT's original estimate. Additionally, two SSRs have been requested in this WMA.
Dickinson Creek (USGS Station #: 041035285)	3452	Calhoun	Cold Transitional Stream	898	39	-58	The tool previously gave bedrock auto pass to wells that are not confined; a gage has been installed to monitor the WMA. Two SSRs have recently been requested by a new property owner for previously unregistered wells (6151-201206-51 and 6152-202006-38), they will be submitting workplans. Additionally, this WMA contains an unregistered irrigation well on tribal land, which is depleting the WMA 8gpm, which is not currently accounted for. In the summer of 2020, the USGS gage shows flow dropped below the ARI line.
Osborn Drain (USGS Station #: 041015313)	19606	Van Buren/Cass	Cold Transitional Stream	1571	63	-39	Pending a package of SSRs which were submitted in response to a violation notice. If the data from the Cass County Study is applied to the wells in this WMA the WMA will be depleted even more. In the summer of 2020, the USGS gage shows flow dropped below the ARI line.
Prairie River	20781	Branch	Warm Stream	8528	2047	-3	Pending review of an SSR, WMA will still be in the negative even if SSR is denied due to a miscalculation in return flow.
Butterfield Creek	13883	Missaukee	Cold Transitional Stream	6732	269	-26	A deposit associated with an Oct-July was made back in 2013, which turned out to be made in error; error was corrected in 2015 and the WMA has been in the negative since.
	16079	Ionia	Cold Stream	269	18	-26	Revised Index flow came back significantly less than the WWAT's original estimate.

WMAs that are impacted by the Bedrock Auto Pass Engagement

WMAs that are impacted by open Violations

Allowable depletions were calculated by multiplying the index flow by the percent allowable depletion for the stream classification

Current WMA Status were calculated to exclude pending SSR depletions, unless they are for after the fact registrations

Compliance Metrics

January 2021 through March 2021

Compliance Communications:

Amended registrations 91

After the fact registrations 41

Missing pump information 37

Registration install verification 13

First Violation Notices 11

Second Violation Notices 0

Violations Closed 3

Complaints Received 2

Public Water Supply Pre-Screening Reviews

January through March 2021:

- Passed: 9 Pre-screening requests
- Denied: 0 Pre-screening requests
- Retracted: 0 Pre-screening requests

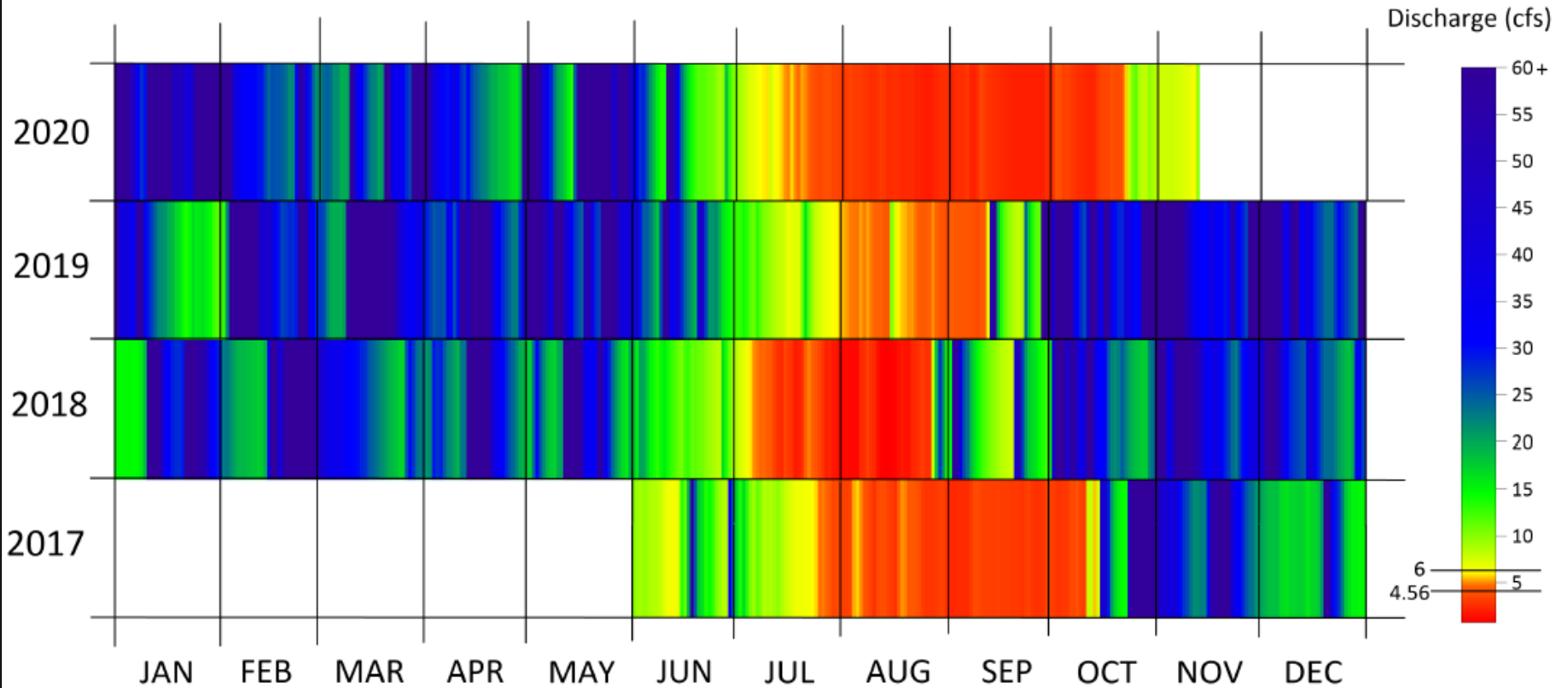
Part 327 Permits

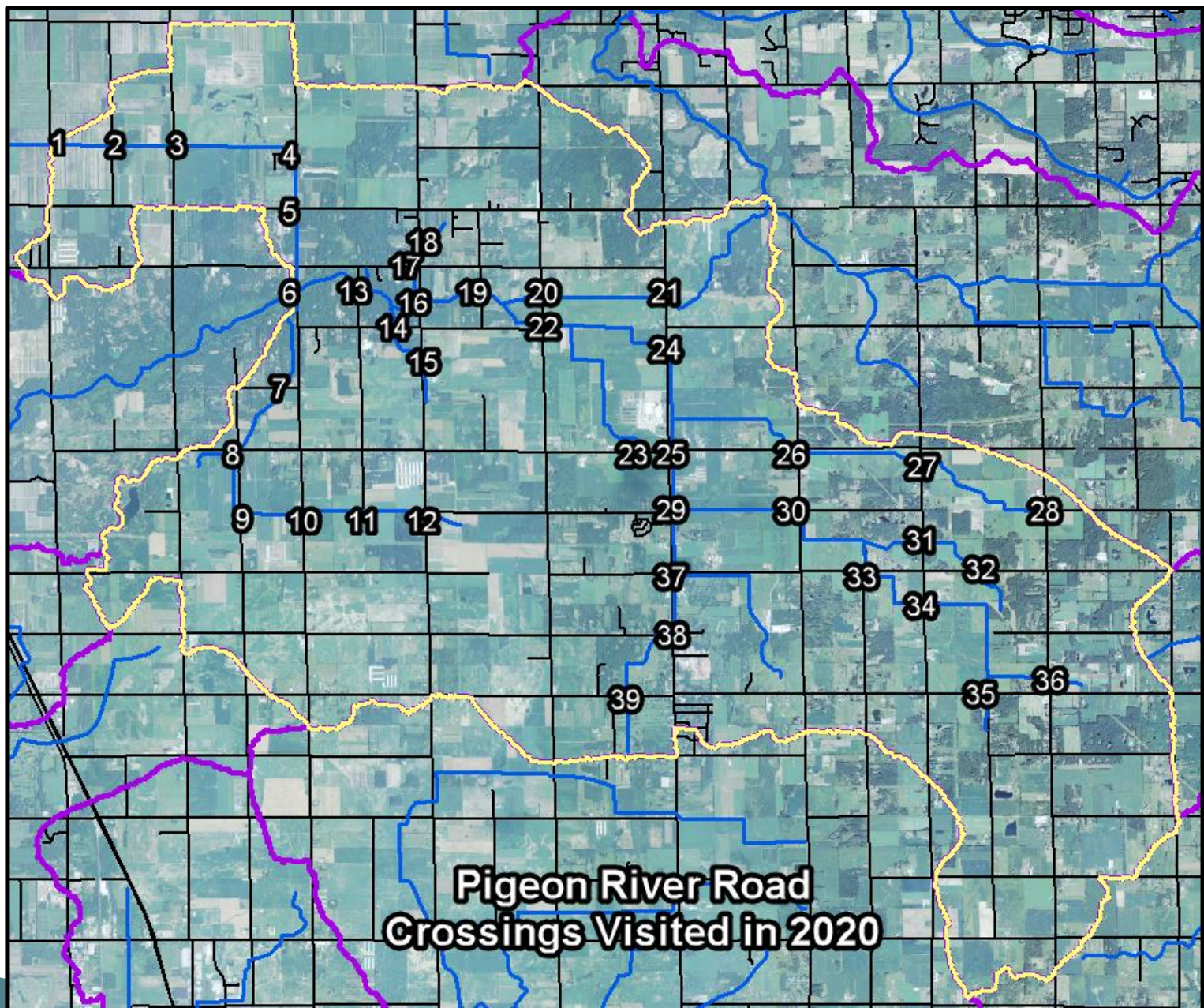
- Salem Township, 14 Mile Road
- Sewer construction dewatering

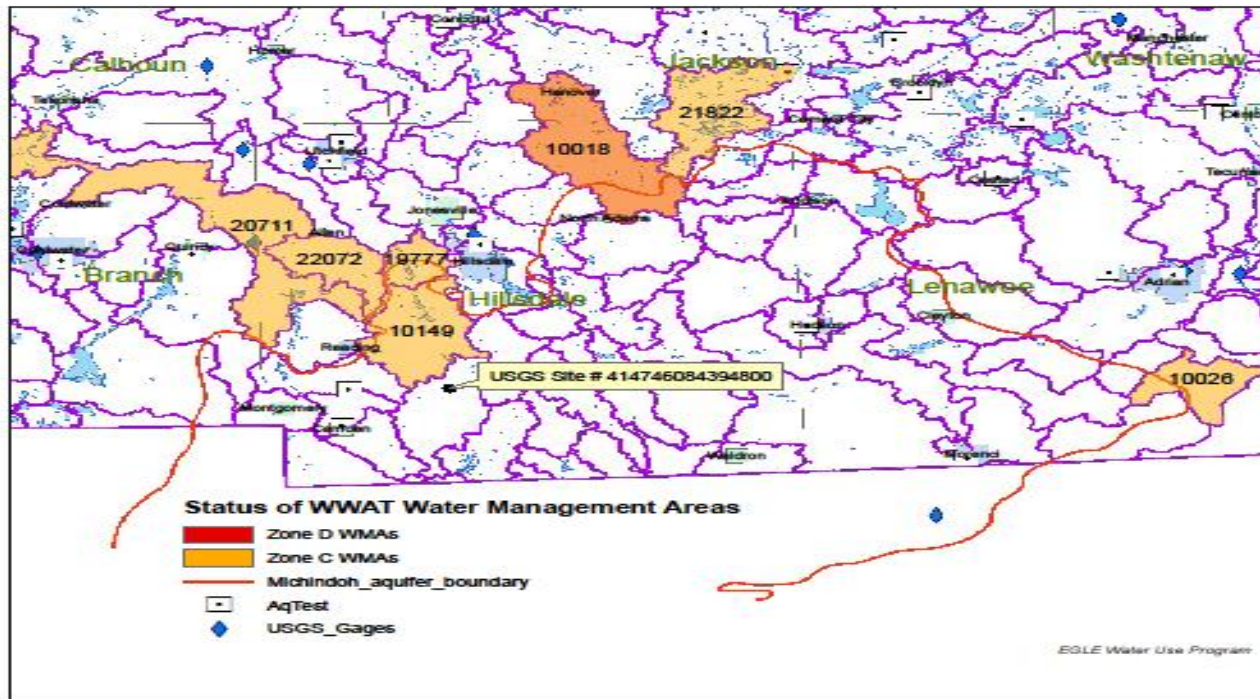
Additional Data Collection

- Pigeon River, WMA 15183, Ottawa County
 - USGS gage at 120th Ave.
 - Miscellaneous measurements upstream of gage
- Michindoh Aquifer
 - Branch, Hillsdale, & Lenawee Counties
 - USGS Ohio study
 - Coordination w/ USGS MI & OH, MGS
 - Legislative funding

USGS Gage 04108862 Daily Discharge for The Pigeon River at 120th Avenue







Questions?

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Michigan.gov/EGLE



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9. Next Meeting Dates and Formats

- June 8, 2021
- August 10, 2021
- October 12, 2021
- December 14, 2021

10. Open Comments

11. Motion to Adjourn
